

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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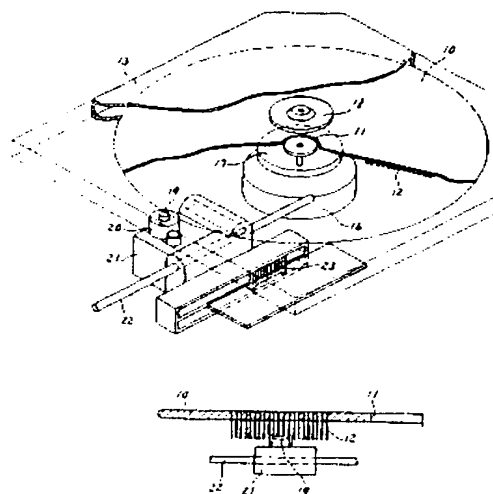
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APPLICANT : SONY CORP;

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TITLE : CLEANER DISK



**ABSTRACT :** **PURPOSE:** To remove dust or dirt on the surface of an optical lens without removing a cabinet outer case by providing a cleaning member having nearly the same shape as an optical disk and in contact with the optical lens.

**CONSTITUTION:** A cleaner disk 10 implanted with a brush 12 in radial direction at locations parted by 180° in the circumferential direction is stored in a cartridge 13, which is mounted on a player. Then the shutter of the cartridge 13 is opened and the center part of the disk 10 is supported by a turntable 17 and a chucking disk 18 and driven by a spindle motor 16. Then a block 21 mounting the optical head is carried by a linear motor 23 while being guided by a rod 20 and an optical lens 19 is moved radially in the disk 10 and reaches a position in contact with the brush 12. In this state, focusing is applied by a 2-axis device 20. In this case, the surface of the lens 19 is wiped off by the brush 12 and the dust adhered onto the surface is removed.

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